Please type a plus sign (+) inside this box → [+]

PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0654-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	N/A
Filing Date	Herewith
First Named Inventor	Hodge, Martin R.
Group Art Unit	Not Assigned
Examiner Name	Not Assigned
Attorney Docket Number	MPI00-268DV1M

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Document Number	Kind Code[2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document (MM-DD-YYYY)	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
RH	15	US2001-0051360	A1	Celera Genomics Corp.	12-13-2001	
RH	A	US-6,413,756	B2	Yan, C., et al.	07-2002	
BH	B	US-6,416,990	B2	Wei, et al.	07-02-2202	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Office[3]	Number[4]	Kind Code[5] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document (MM-DD-YYYY)	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
RH	16	WO	01/66762	A1	Merck Patent GMBH	09-13-2001		
	17	WO	02/18557	A2	Incyte Genomics Inc.	03-07-2002	1-138, 10/79, 11/79, 58/79 (142 pages total)	
	18	WO	01/38503	A2	Sugen, Inc.	05-31-2001	1-72, 103-109, 115, 121, 126, 131, 135, 140, 146, 223-235, 251, 275, 306, 307, 314-316, 379-388, 14/43, 36/43 (120 pages total)	
RH	19	WO	00/73469	A2	Sugen, Inc.	12-07-2000	1-86, 105-108, 114, 120-122, 133-159, 162, 14/119, 73/119, International Search Report (156 pages total)	

Examiner Signature		Date Considered	3/08/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1]Unique citation design number. [2]See attached Kinds of U.S. Patent Documents. [3]Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4]For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5]Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [8]Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, D.C. 20231.
DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

Please type a plus sign (+) inside this box → [+]

PTO/SB/08B (10-96)
Approved for use through 10/31/99. OMB 0654-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 3

Complete if Known	
Applicati n Number	N/A
Filing Dat	Herewith
First Named Inventor	Hodge, Martin R.
Group Art Unit	Not Assigned
Examiner Name	Not Assigned
Attorney Docket Number	MPI00-268DV1M

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include the name of the author (in CAPTIAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and-or country where published.	T[2]
RH	1	Hillier L., et al., "zt24d01.rl Soares ovary tumor NbHOT Homo sapiens cDNA clone IMAGE: 714049 5' mRNA sequence", (August 8, 1997), (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on December 6, 2000]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/>. GenBank Accession No. AA284718	
	2	Abe, M.K., et al., "Rattus norvegicus extracellular signal-regulated kinase 7 mRNA, complete cds" (February 5, 1999) (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on December 6, 2000]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/>. GenBank Accession No. AF078798	
	3	Hillier, L., et al., "an33a07.x1 Gessler Wilms tumor Homo sapiens cDNA clone IMAGE:1700436 3', mRNA sequence." (July 9, 1998) (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on December 6, 2000]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/>. GenBank Accession No. AI049667	
	4	Strausberg, R., et al., "tm23h11.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2157477 3', mRNA sequence." (April 14, 1999) (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on December 6, 2000]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/>. GenBank Accession No. AI476756	
	5	Strausberg, R., et al., " tw62g08.x1 NCI_CGAP_Ut3 Homo sapiens cDNA clone IMAGE:2264318 3' similar to contains MER22.b3 TAR1 repetitive element;, mRNA sequence." (May 26, 1999) (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved December 6, 2000] Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/>. GenBank Accession No.AI680380	
	6	Strausberg, R., et al., "wo22f03.x1 NCI_CGAP_Pan1 Homo sapiens cDNA clone IMAGE:2456093 3' mRNA sequence" (September 1, 1999) (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved December 6, 2000] Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/>. GenBank Accession No.AI921266	
	7	Boulton, T.G., et al., "Sequence from patent US 5776751", (December 4, 1998), (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information[retrieved December 6, 2000]Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/>. GenBank Accession No. AR016531	
RH	8	Boulton, T.G., et al., "Sequence from patent US 5872006", (September 29, 1999), (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved December 6, 2000]Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/>. GenBank Accession No. AR036244	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1]Unique citation design number. [2]Applicant is to place a check mark here is English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, D.C. 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

3/6/06

Please type a plus sign (+) inside this box → [+]

PTO/SB/08B (10-96)
Approved for use through 10/31/99. OMB 0654-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 3

Complete if Known	
Applicati n Number	N/A
Filing Dat	Herewith
First Named Invent r	Hodge, Martin R.
Group Art Unit	Not Assigned
Examiner Name	Not Assigned
Attorney Docket Number	MPI00-268DV1M

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.[1]	Include the name of the author (in CAPTIAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and-or country where published.	T[2]
RK	9	Boulton, T.G., et al., "Sequence 1 from patent US 5595904", (January 27, 1997), (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved December 6, 2000] Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/>. GenBank Accession No. I34199	
	10	Boutlon, T.G., et al., "ERK1 ", (March 31, 1992) sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved December 6, 2000] Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/>. GenBank Accession No. Q20260	
	11	Au-Young, J. et al., "Human mitogen-activated protein kinase homologue SMAP encoding cDNA", (October 29, 1997), (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved December 6, 2000]Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/>. GenBank Accession No. T78543	
	12	Au-Young, J. et al., "Human MAP kinase homologue SMAP cDNA", (January 20, 1998), (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved December 6, 2000]Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/>. GenBank Accession No. T90352	
	13	Au-Young, J. et al., "Human MAP kinase cDNA derived from clone 214915E", (December 29, 1998), (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved December 6, 2000]Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/>. GenBank Accession No. V33561	
	14	Kasper, A. et al., "Erk1-green fluorescent protein fusion product", (February 8, 1999), (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved December 6, 2000]Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/>. GenBank Accession No. V71030	
	20	Abe, Mark K., et al., "ERK8, A New Member of the Mitogen-Activated Protein Kinase Family", The Journal of Biological Chemistry, Volume 277, No. 19, May 10, 2002, pages 16733-16743	
RK	21	Strausberg, Robert, "hs84e05.x1 NCI_CGAP_Kid13 Homo Sapiens cDNA clone Image:3 to TR:Q9Z2A6 Q9Z2A6 EXTRACELLULAR SIGNAL-REGULATED KINASE 7.;, MRNA sequence", July 27, 2000 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved October 3, 2002]Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/>. GenBank Accession No. BE464560	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1]Unique citation design number. [2]Applicant is to place a check mark here is English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, D.C. 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

3/8/06

Please type a plus sign (+) inside this box → [+]

PTO/SB/08B (10-96)
Approved for use through 10/31/99. OMB 0654-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 3 of 3

Complete if Known	
Applicati n Number	N/A
Filing Date	Herewith
First Named Inventor	Hodge, Martin R.
Group Art Unit	Not Assigned
Examiner Name	Not Assigned
Attorney Docket Number	MPI00-268DV1M

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.[1]	Include the name of the author (in CAPTIAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and-or country where published.	T[2]
DK	W	Ngo, et al., "Computational Complexity, Protein Structure Prediction, and the Levinthal Paradox, in The Protein Folding Problem and Tertiary Structure Prediction, 1994, Merz, et al., (ed.), Birkhauser, Boston, MA, pages 433 and 492-495.	
DV	22	Abe, Mark K., et al., "Extracellular Signal-Regulated Kinase 7 (ERK7), a Novel ERK with a C-Terminal Domain That Regulates Its Activity, Its Cellular Localization, and Cell Growth", (February 1999) Molecular and Cellular Biology, Volume 19, Number 2, pages 1301-1312.	

Examiner Signature		Date Considered	3/16/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1]Unique citation design number. [2]Applicant is to place a check mark here is English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, D.C. 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.